

In the Claims:

1 1. (Original) Milling method for the production of structural
2 components from materials that are difficult to machine by
3 chip-cutting, while producing depressions with at least one
4 sidewall, especially for the production of integral bladed
5 rotors for gas turbines, whereby the depressions especially
6 form flow channels and the sidewalls especially form blade
7 surfaces, whereby a milling tool is moved along at least
8 one defined tool path or milling path for the milling,
9 characterized in that at least one collision contour is
10 defined in addition to the or each tool path, whereby the
11 position or orientation of the milling tool relative to the
12 or each collision contour is monitored, and whereby the
13 position or orientation of the milling tool is changed
14 and/or an error message is generated, if at least one of
15 the collision contours is damaged by the milling tool.

1 2. (Original) Method according to claim 1, characterized in
2 that, and the position or orientation of the milling tool
3 along the or each tool path relative to the structural
4 component to be milled are determined by tool vectors,
5 whereby the tool vectors are defined with cutting advance
6 or lead angles and clearance or pitch angles.

Claims 3 to 7 (Canceled).